1		59	.Loudspeaker operation
1	BINAURAL AND STEREOPHONIC	60	.Testing of hearing aids
2	.Broadcast or multiplex stereo	61	SOUND EFFECTS
3	FM final modulation	62	.Tremelo or vibrato effects
4	AM subcarrier	63	.Reverberators
5	Four discrete channels		
6	Having transmitter	64	Mechanical (e.g., reverberation
7	Switch-type detector or	65	chamber)
	modulator	66	Helical spring
8	Two diodes		DEREVERBERATORS
9	Four or more diodes	67	STETHOSCOPES, ELECTRICAL
10	Channel separation control	312	HEARING AIDS, ELECTRICAL
11	Automatic switchover between	313	.Directional
	mono and stereo modes	314	.Programming interface circuitry
12	Stereo indicators (e.g.,	315	.Remote control, wireless, or
	stereo presence)		alarm
13	Antinoise	316	.Frequency transposition
14	Having transmitter	317	.Noise compensation circuit
15	AM or both AM and angle final	318	Feedback suppression
	modulation	319	.With vacuum tube amplifier
16	Having transmitter	320	.Spectral control
17	.Pseudo stereophonic	321	.Wideband gain control
18	Pseudo quadrasonic	322	.Specified casing or housing
19	.Quadrasonic	323	Power supply or programming
20	Matrix		interface terminals
21	4-2-4	324	Component mounting
22	Variable decoder	325	Cerumen protection
23	With encoder	326	Non-air-conducted sound
23.1	.Hearing aid		delivery
300	.Stereo speaker arrangement	327	Spectacle
301	In furniture or clothing	328	Ear insert
302	In vehicle	329	Device for manipulation
303	Optimization	330	Hook over ear
304	Enclosure orientation	331	Inductive pickup
305	Enclosure adaptation	70	ARTIFICIAL LARYNX, ELECTRICAL
305	With image presentation means	71.1	ACOUSTICAL NOISE OR SOUND
307	Surround (i.e., front plus rear		CANCELLATION
307	_	71.2	.Acoustic, nonairborne vibration
200	or side)		sensing or counterwave
308	In single baffle		emission
309	Stereo earphone	71.3	.From appliance
310	Virtual positioning	71.4	.Within cabin or compartment of
311	Wireless or for use in diverse		vehicle
26	.Stereo sound pickup device	71.5	.Within duct
	(microphone)	71.6	.Adjacent ear
27	.Center channel	71.7	.Particular transducer or
28	.Amplifier	, ± • ,	enclosure structure
54	HELIUM SPEECH	71.8	.Counterwave generation control
55	AUDIO TRANSDUCER PROTECTION	, _ • 0	path
	CIRCUITRY	71.9	Nonacoustically derived
56	MONITORING OF SOUND	1 1 . 7	reference signal
57	.Amplification control responsive	71.11	Adaptive filter topology
	to ambient sound	71.11	Adaptive fifter topologyAlgorithm or formula (e.g.,
58	MONITORING/MEASURING OF AUDIO	1 1 . 1 4	LMS, Filtered-X, etc.)
	DEVICES		

71.13	Analog or nonadaptive	100	With active device
71.14	Tonal noise or particular	101	.Automatic tone control
	frequency or band	102	With amplitude control
72	HEARING PROTECTORS, ELECTRICAL	103	.Having automatic equalizer
73.1	SOUND OR NOISE MASKING		circuit
74	HEADPHONE CIRCUITS	104	INCLUDING AMPLITUDE OR VOLUME
75	MEGAPHONES		CONTROL
76	LECTERNS	105	.Remote
77	ONE-WAY AUDIO SIGNAL PROGRAM	106	.With amplitude compression/
	DISTRIBUTION		expansion
78	.Drive-in	107	.Automatic
79	.Near field	108	Including feedback
80	.Multiple channel	109	.With manual volume control
81	With switching	110	VOICE CONTROLLED
82	.Public address system	111	CIRCUITRY COMBINED WITH SPECIFIC
83	Feedback suppression		TYPE MICROPHONE OR LOUDSPEAKER
84	Spare amplifier substitution	112	.With carbon microphone
85	Speaker or channel switching	113	.With electrostatic microphone
86	VEHICLE	114	.With piezoelectric microphone
87	HAVING NON-ELECTRICAL FEATURE	115	.With magnetic microphone
0 7	(E.G., MOUNTING)	116	.With electrostatic loudspeaker
89	Loudspeakers driven in given	117	.With magnetic loudspeaker
09	phase relationship	118	WITH MUSICAL INSTRUMENT
332	.And loudspeaker	119	WITH MUSICAL INSTRUMENT WITH MIXER
333	-	120	WITH MIXER WITH AMPLIFIER
333	With furniture, clothing, or	121	
334	image presentation means	121	.Feedback
334	Portable or for use in diverse	122	HAVING MICROPHONE
		100	
225	environment	123	SWITCHING
335	Plural diaphragms,	150	ELECTRO-ACOUSTIC AUDIO TRANSDUCER
	<pre>Plural diaphragms,   compartments, or housings</pre>		ELECTRO-ACOUSTIC AUDIO TRANSDUCER .Body contact wave transfer
336	<ul><li>Plural diaphragms, compartments, or housings</li><li>Curved or angled housing</li></ul>	150	ELECTRO-ACOUSTIC AUDIO TRANSDUCER .Body contact wave transfer (e.g., bone conduction
336 91	<ul><li>Plural diaphragms,</li><li>compartments, or housings</li><li>Curved or angled housing</li><li>Having microphone</li></ul>	150 151	ELECTRO-ACOUSTIC AUDIO TRANSDUCER .Body contact wave transfer (e.g., bone conduction earphone, larynx microphone)
336	<ul><li>Plural diaphragms, compartments, or housings</li><li>Curved or angled housing</li><li>Having microphone</li><li>DIRECTIVE CIRCUITS FOR</li></ul>	150	ELECTRO-ACOUSTIC AUDIO TRANSDUCER  .Body contact wave transfer   (e.g., bone conduction   earphone, larynx microphone)  .Driven diverse static structure
336 91 92	Plural diaphragms, compartments, or housingsCurved or angled housing .Having microphone DIRECTIVE CIRCUITS FOR MICROPHONES	150 151 152	ELECTRO-ACOUSTIC AUDIO TRANSDUCER  .Body contact wave transfer   (e.g., bone conduction   earphone, larynx microphone)  .Driven diverse static structure   (e.g., wall, sounding board)
336 91 92	Plural diaphragms, compartments, or housingsCurved or angled housing .Having microphone DIRECTIVE CIRCUITS FOR MICROPHONES FEEDBACK SUPPRESSION	150 151	ELECTRO-ACOUSTIC AUDIO TRANSDUCER .Body contact wave transfer   (e.g., bone conduction   earphone, larynx microphone) .Driven diverse static structure   (e.g., wall, sounding board) .Having acoustic wave modifying
336 91 92 93 94.1	Plural diaphragms, compartments, or housingsCurved or angled housing .Having microphone DIRECTIVE CIRCUITS FOR MICROPHONES FEEDBACK SUPPRESSION NOISE OR DISTORTION SUPPRESSION	150 151 152 337	ELECTRO-ACOUSTIC AUDIO TRANSDUCER .Body contact wave transfer   (e.g., bone conduction   earphone, larynx microphone) .Driven diverse static structure   (e.g., wall, sounding board) .Having acoustic wave modifying   structure
336 91 92 93 94.1 94.2	Plural diaphragms, compartments, or housingsCurved or angled housing .Having microphone DIRECTIVE CIRCUITS FOR MICROPHONES FEEDBACK SUPPRESSION NOISE OR DISTORTION SUPPRESSION .Spectral adjustment	150 151 152	ELECTRO-ACOUSTIC AUDIO TRANSDUCER .Body contact wave transfer   (e.g., bone conduction   earphone, larynx microphone) .Driven diverse static structure   (e.g., wall, sounding board) .Having acoustic wave modifying   structureWith tubular waveguide or
336 91 92 93 94.1 94.2 94.3	Plural diaphragms, compartments, or housingsCurved or angled housing .Having microphone DIRECTIVE CIRCUITS FOR MICROPHONES FEEDBACK SUPPRESSION NOISE OR DISTORTION SUPPRESSION	150 151 152 337 338	ELECTRO-ACOUSTIC AUDIO TRANSDUCER  .Body contact wave transfer   (e.g., bone conduction   earphone, larynx microphone)  .Driven diverse static structure   (e.g., wall, sounding board)  .Having acoustic wave modifying   structure With tubular waveguide or   resonant element
336 91 92 93 94.1 94.2	Plural diaphragms, compartments, or housingsCurved or angled housing .Having microphone DIRECTIVE CIRCUITS FOR MICROPHONES FEEDBACK SUPPRESSION NOISE OR DISTORTION SUPPRESSION .Spectral adjustment	150 151 152 337	ELECTRO-ACOUSTIC AUDIO TRANSDUCER .Body contact wave transfer   (e.g., bone conduction   earphone, larynx microphone) .Driven diverse static structure   (e.g., wall, sounding board) .Having acoustic wave modifying   structureWith tubular waveguide or
336 91 92 93 94.1 94.2 94.3	Plural diaphragms, compartments, or housingsCurved or angled housing .Having microphone DIRECTIVE CIRCUITS FOR MICROPHONES FEEDBACK SUPPRESSION NOISE OR DISTORTION SUPPRESSION .Spectral adjustmentIn multiple frequency bands	150 151 152 337 338 339	ELECTRO-ACOUSTIC AUDIO TRANSDUCER  .Body contact wave transfer   (e.g., bone conduction   earphone, larynx microphone)  .Driven diverse static structure   (e.g., wall, sounding board)  .Having acoustic wave modifying   structure With tubular waveguide or   resonant element
336 91 92 93 94.1 94.2 94.3 94.4	Plural diaphragms,    compartments, or housingsCurved or angled housing .Having microphone  DIRECTIVE CIRCUITS FOR    MICROPHONES  FEEDBACK SUPPRESSION  NOISE OR DISTORTION SUPPRESSION .Spectral adjustmentIn multiple frequency bands .Interpolation	150 151 152 337 338 339 340	ELECTRO-ACOUSTIC AUDIO TRANSDUCER  .Body contact wave transfer   (e.g., bone conduction   earphone, larynx microphone)  .Driven diverse static structure   (e.g., wall, sounding board)  .Having acoustic wave modifying   structure With tubular waveguide or   resonant element Sound intensifying or spreading
336 91 92 93 94.1 94.2 94.3 94.4	Plural diaphragms,     compartments, or housingsCurved or angled housing .Having microphone  DIRECTIVE CIRCUITS FOR     MICROPHONES  FEEDBACK SUPPRESSION  NOISE OR DISTORTION SUPPRESSION .Spectral adjustmentIn multiple frequency bands .Interpolation .Soft switching, muting, or noise	150 151 152 337 338 339	ELECTRO-ACOUSTIC AUDIO TRANSDUCER  .Body contact wave transfer   (e.g., bone conduction   earphone, larynx microphone)  .Driven diverse static structure   (e.g., wall, sounding board)  .Having acoustic wave modifying   structure With tubular waveguide or   resonant element Sound intensifying or spreading   element
336 91 92 93 94.1 94.2 94.3 94.4 94.5	Plural diaphragms,     compartments, or housingsCurved or angled housing .Having microphone  DIRECTIVE CIRCUITS FOR     MICROPHONES  FEEDBACK SUPPRESSION  NOISE OR DISTORTION SUPPRESSION .Spectral adjustmentIn multiple frequency bands .Interpolation .Soft switching, muting, or noise gating	150 151 152 337 338 339 340	ELECTRO-ACOUSTIC AUDIO TRANSDUCER  .Body contact wave transfer   (e.g., bone conduction   earphone, larynx microphone)  .Driven diverse static structure   (e.g., wall, sounding board)  .Having acoustic wave modifying   structure With tubular waveguide or   resonant element Sound intensifying or spreading   element Horn
336 91 92 93 94.1 94.2 94.3 94.4 94.5	Plural diaphragms,     compartments, or housingsCurved or angled housing .Having microphone  DIRECTIVE CIRCUITS FOR     MICROPHONES  FEEDBACK SUPPRESSION  NOISE OR DISTORTION SUPPRESSION .Spectral adjustmentIn multiple frequency bands .Interpolation .Soft switching, muting, or noise gating .Hum or ground loop	150 151 152 337 338 339 340 341	ELECTRO-ACOUSTIC AUDIO TRANSDUCER  .Body contact wave transfer   (e.g., bone conduction   earphone, larynx microphone)  .Driven diverse static structure   (e.g., wall, sounding board)  .Having acoustic wave modifying   structure With tubular waveguide or   resonant element Sound intensifying or spreading   element Horn Inverted, folded, or curled
336 91 92 93 94.1 94.2 94.3 94.4 94.5	Plural diaphragms,     compartments, or housingsCurved or angled housing .Having microphone  DIRECTIVE CIRCUITS FOR     MICROPHONES  FEEDBACK SUPPRESSION  NOISE OR DISTORTION SUPPRESSION .Spectral adjustmentIn multiple frequency bands .Interpolation .Soft switching, muting, or noise gating .Hum or ground loop .Using signal channel and noise	150 151 152 337 338 339 340 341 342	ELECTRO-ACOUSTIC AUDIO TRANSDUCER  .Body contact wave transfer   (e.g., bone conduction   earphone, larynx microphone)  .Driven diverse static structure   (e.g., wall, sounding board)  .Having acoustic wave modifying   structure With tubular waveguide or   resonant element Sound intensifying or spreading   element Horn Inverted, folded, or curledPlural horns or diaphragms
336 91 92 93 94.1 94.2 94.3 94.4 94.5	Plural diaphragms,     compartments, or housingsCurved or angled housing .Having microphone  DIRECTIVE CIRCUITS FOR     MICROPHONES  FEEDBACK SUPPRESSION  NOISE OR DISTORTION SUPPRESSION .Spectral adjustmentIn multiple frequency bands .Interpolation .Soft switching, muting, or noise gating .Hum or ground loop .Using signal channel and noise channel	150 151 152 337 338 339 340 341 342 343	ELECTRO-ACOUSTIC AUDIO TRANSDUCER  .Body contact wave transfer   (e.g., bone conduction   earphone, larynx microphone)  .Driven diverse static structure   (e.g., wall, sounding board)  .Having acoustic wave modifying   structure With tubular waveguide or   resonant element Sound intensifying or spreading   element Horn Inverted, folded, or curled Plural horns or diaphragms Phase plug
336 91 92 93 94.1 94.2 94.3 94.4 94.5	Plural diaphragms,     compartments, or housingsCurved or angled housing .Having microphone  DIRECTIVE CIRCUITS FOR     MICROPHONES  FEEDBACK SUPPRESSION  NOISE OR DISTORTION SUPPRESSION .Spectral adjustmentIn multiple frequency bands .Interpolation .Soft switching, muting, or noise gating .Hum or ground loop .Using signal channel and noise channel .Peak limiting or pulsive noise	150 151 152 337 338 339 340 341 342 343 344	ELECTRO-ACOUSTIC AUDIO TRANSDUCER  .Body contact wave transfer   (e.g., bone conduction   earphone, larynx microphone)  .Driven diverse static structure   (e.g., wall, sounding board)  .Having acoustic wave modifying   structure With tubular waveguide or   resonant element Sound intensifying or spreading   element Horn Inverted, folded, or curled Plural horns or diaphragms Phase plug Mouthpiece
336 91 92 93 94.1 94.2 94.3 94.4 94.5	Plural diaphragms,     compartments, or housingsCurved or angled housing .Having microphone  DIRECTIVE CIRCUITS FOR     MICROPHONES  FEEDBACK SUPPRESSION  NOISE OR DISTORTION SUPPRESSION .Spectral adjustmentIn multiple frequency bands .Interpolation .Soft switching, muting, or noise gating .Hum or ground loop .Using signal channel and noise channel .Peak limiting or pulsive noise compensation	150 151 152 337 338 339 340 341 342 343 344 345	ELECTRO-ACOUSTIC AUDIO TRANSDUCER  .Body contact wave transfer   (e.g., bone conduction   earphone, larynx microphone)  .Driven diverse static structure   (e.g., wall, sounding board)  .Having acoustic wave modifying   structure  .With tubular waveguide or   resonant element  .Sound intensifying or spreading   element Horn Inverted, folded, or curledPlural horns or diaphragms Phase plugMouthpieceAcoustic enclosure
336 91 92 93 94.1 94.2 94.3 94.4 94.5	Plural diaphragms,     compartments, or housingsCurved or angled housing .Having microphone  DIRECTIVE CIRCUITS FOR     MICROPHONES  FEEDBACK SUPPRESSION  NOISE OR DISTORTION SUPPRESSION .Spectral adjustmentIn multiple frequency bands .Interpolation .Soft switching, muting, or noise gating .Hum or ground loop .Using signal channel and noise channel .Peak limiting or pulsive noise compensation .Feedforward circuitry for	150 151 152 337 338 339 340 341 342 343 344 345 346	ELECTRO-ACOUSTIC AUDIO TRANSDUCER  .Body contact wave transfer   (e.g., bone conduction   earphone, larynx microphone)  .Driven diverse static structure   (e.g., wall, sounding board)  .Having acoustic wave modifying   structure With tubular waveguide or   resonant element Sound intensifying or spreading   element Horn Inverted, folded, or curled Plural horns or diaphragms Phase plug Mouthpiece Acoustic enclosure Acoustic resistance
336 91 92 93 94.1 94.2 94.3 94.4 94.5 94.6 94.7	Plural diaphragms,     compartments, or housingsCurved or angled housing .Having microphone  DIRECTIVE CIRCUITS FOR     MICROPHONES  FEEDBACK SUPPRESSION  NOISE OR DISTORTION SUPPRESSION .Spectral adjustmentIn multiple frequency bands .Interpolation .Soft switching, muting, or noise gating .Hum or ground loop .Using signal channel and noise channel .Peak limiting or pulsive noise compensation .Feedforward circuitry for transducer compensation	150 151 152 337 338 339 340 341 342 343 344 345 346 347	ELECTRO-ACOUSTIC AUDIO TRANSDUCER  .Body contact wave transfer   (e.g., bone conduction   earphone, larynx microphone)  .Driven diverse static structure   (e.g., wall, sounding board)  .Having acoustic wave modifying   structure With tubular waveguide or   resonant element Sound intensifying or spreading   element Horn Inverted, folded, or curled Plural horns or diaphragms Phase plug Mouthpiece Acoustic enclosure Acoustic resistance On front side of diaphragm On rear side of diaphragm
336 91 92 93 94.1 94.2 94.3 94.4 94.5 94.6 94.7	Plural diaphragms,     compartments, or housingsCurved or angled housing .Having microphone  DIRECTIVE CIRCUITS FOR     MICROPHONES  FEEDBACK SUPPRESSION  NOISE OR DISTORTION SUPPRESSION .Spectral adjustmentIn multiple frequency bands .Interpolation .Soft switching, muting, or noise gating .Hum or ground loop .Using signal channel and noise channel .Peak limiting or pulsive noise compensation .Feedforward circuitry for transducer compensation  MICROPHONE FEEDBACK	150 151 152 337 338 339 340 341 342 343 344 345 346 347 348	ELECTRO-ACOUSTIC AUDIO TRANSDUCER  .Body contact wave transfer   (e.g., bone conduction   earphone, larynx microphone)  .Driven diverse static structure   (e.g., wall, sounding board)  .Having acoustic wave modifying   structure With tubular waveguide or   resonant element Sound intensifying or spreading   element Horn Inverted, folded, or curled Plural horns or diaphragms Phase plug Mouthpiece Acoustic enclosure Acoustic resistance On front side of diaphragm
336 91 92 93 94.1 94.2 94.3 94.4 94.5 94.6 94.7 94.8 94.9	Plural diaphragms,     compartments, or housingsCurved or angled housing .Having microphone  DIRECTIVE CIRCUITS FOR     MICROPHONES  FEEDBACK SUPPRESSION  NOISE OR DISTORTION SUPPRESSION .Spectral adjustmentIn multiple frequency bands .Interpolation .Soft switching, muting, or noise gating .Hum or ground loop .Using signal channel and noise channel .Peak limiting or pulsive noise compensation .Feedforward circuitry for transducer compensation  MICROPHONE FEEDBACK LOUDSPEAKER FEEDBACK	150 151 152 337 338 339 340 341 342 343 344 345 346 347 348 349	ELECTRO-ACOUSTIC AUDIO TRANSDUCER  .Body contact wave transfer   (e.g., bone conduction   earphone, larynx microphone)  .Driven diverse static structure   (e.g., wall, sounding board)  .Having acoustic wave modifying   structure With tubular waveguide or   resonant element Sound intensifying or spreading   element Horn Inverted, folded, or curled Plural horns or diaphragms Phase plug Mouthpiece Acoustic enclosure Acoustic resistance On front side of diaphragm On rear side of diaphragm Bass reflex (e.g., rear wave)
336 91 92 93 94.1 94.2 94.3 94.4 94.5 94.6 94.7 94.8 94.9	Plural diaphragms,     compartments, or housingsCurved or angled housing .Having microphone  DIRECTIVE CIRCUITS FOR     MICROPHONES  FEEDBACK SUPPRESSION  NOISE OR DISTORTION SUPPRESSION .Spectral adjustmentIn multiple frequency bands .Interpolation .Soft switching, muting, or noise gating .Hum or ground loop .Using signal channel and noise channel .Peak limiting or pulsive noise compensation .Feedforward circuitry for transducer compensation  MICROPHONE FEEDBACK LOUDSPEAKER FEEDBACK INCLUDING PHASE CONTROL	150 151 152 337 338 339 340 341 342 343 344 345 346 347 348 349 350	ELECTRO-ACOUSTIC AUDIO TRANSDUCER  .Body contact wave transfer   (e.g., bone conduction   earphone, larynx microphone)  .Driven diverse static structure   (e.g., wall, sounding board)  .Having acoustic wave modifying   structure With tubular waveguide or   resonant element Sound intensifying or spreading   element Horn Inverted, folded, or curled Plural horns or diaphragms Phase plug Mouthpiece Acoustic enclosure Acoustic resistance On front side of diaphragm On rear side of diaphragm Bass reflex (e.g., rear wave) Front wave

352	Having internal wave	372	Having mechanical or acoustic
252	reflecting means	272	sound attenuation
353	Acoustic damping or	373	Openable to ambient
254	attenuating resonator	374	Particular support structure
354	Absorbing or attenuating	375	And microphone
1.60	element	376	Headgear
160	Reflecting element	377	Plural bands
161	.With mechanical amplifier	378	Single band
1.60	arrangement	379	adjustable
162	.Detail of mechanical vibration	380	Ear insert or bone conduction
	coupling to transducer (e.g.,	381	Hook over ear or spectacle
162	tuned vibrating element)	382	Sound conducting tube
163	.Having bi-directional transducer	383	Collapsible
164	.Thermal response to, or	384	Electrical hardware feature
1.65	generation of, sound vibration	184	Different types of diaphragms
165	.By modifying fluid flow	185	Having common voice coil
166	.Having a fluid as a conducting	186	Plural diaphragms
	element	385	.Having body supported structure
167	Ionized gap, spark, or flame		other than on head
355	.Housed microphone	386	.Mounting or support feature of
356	Directional		housed loudspeaker
357	With plural sound ports (e.g.,	387	Directional, directible, or
	pressure gradient)		movable
358	Plural or variable	388	With furniture, clothing, or
	characteristics		image display
359	Windscreen	389	In vehicle
360	Cavity	390	Boom or support arm
361	Mounting or support	391	Grille
362	Boom (other than on headset)	392	Resilient
363	Stand or gooseneck	393	electrical insulation feature
364	On body or clothing	394	Electrical hardware
365	In electronic apparatus or	395	Mechanical detail
	vehicle	189	.Having protective or sheilding
366	Detachable from support		feature
367	In headgear	190	.Electrostrictive,
368	On shock absorbing support		magnetostrictive, or
369	.Microphone capsule only		piezoelectric
170	Compound	191	.Having electrostatic element
171	Micromagnetic		(e.g., electret, vibrating
172	Light modifying		plate)
173	Piezoelectric or ferroelectric	396	.Electromagnetic (e.g., dyynamic)
174	Capacitive	397	Cooling feature
175	Semiconductor junction	398	Having diaphragm support
	microphone		feature
176	Conductive diaphragm (e.g.,	399	Conductive diaphragm (e.g.,
	reed, ribbon)		ribbon)
177	Dynamic (e.g., magnetic)	400	Movable voice coil
178	Vibrating electrical contract	401	Multiple voice coils
179	Resistive	402	For different frequencies
180	Granular or carbon	403	Centering from outside bobbin
181	Differential	-00	or diaphragm
182	.Plural or compound reproducers	404	Spider
370	Headphone	405	Centering from within bobbin
371	Particular cup	100	or diaphragm
J / L	raiciculai cup		or arabitragiii

406	Field coil	FOR	100	AUDIO BANDWIDTH COMPRESSION OR
407	Particular bobbin structure			EXPANSION (381/29)
408	Pattern	FOR	101	.With content reduction encoding
409	Wiring structure			(381/30)
410	Coil coating, winding layer	FOR	102	.Delay line (381/33)
	structure, or wire	FOR	103	TIME COMPRESSION OR EXPANSION
411	Including adjustment mechanism			(E.G., RUN LENGTH CODING)
412	Magnetic circuit			(381/34)
413	Having damping	FOR	104	.With content reduction encoding
414	Flux modifying means			(381/35)
415	Magnetic liquid	FOR	105	SPEECH ANALYSIS AND SYNTHESIS
416	Inverted (e.g., within cone)			COMBINED (381/36)
417	Armature diaphragm	FOR	106	.Using frequency (381/37)
418	Armature linked to diaphragm	FOR	107	Pitch (381/38)
419	Not having central magnetic	FOR	108	Formants (381/39)
	portion	FOR	109	.Using time (381/40)
420	Having central magnetic	FOR	110	SPEECH ANALYSIS (E.G., PHONEME
	portion			RECOGNITION) (381/41)
421	Plural magnets	FOR	111	.Voice recognition (381/42)
422	Like poles adjacent	FOR	112	.Word recognition (381/43)
423	Specified diaphragm shape or	FOR	113	Phonetic typewriters (381/44)
	structure	FOR	114	Frequency domain (381/45)
424	Plural portions or sections	FOR	115	.Detection of speech in noise
425	Honeycomb			(381/46)
426	Critically defined material or	FOR	116	.Signal to noise ratio
	lamination			enhancement (381/47)
427	Metal	FOR	117	.Speech parameter display (381/
428	Fibrous			48)
429	Apertures in surface	FOR	118	.Speech pitch fundamental
430	Dome or round			frequency (381/49)
431	Flat	FOR	119	.Speech formant frequencies (381
432	Conical			50)
433	Basket detail			SPEECH SYNTHESIS (381/51)
124	MISCELLANEOUS	FOR	121	.Speech from printed matter (381
				52)
				.Vocal tract model (381/53)
		FOR	123	ACOUSTICAL NOISE OR SOUND
FOREIGN	ART COLLECTIONS			CANCELLATION (381/71)

## FOR 000 CLASS-RELATED FOREIGN DOCUMENTS

Any foreign patents or non-patent literature from subclasses that have been reclassified have been transferred directly to FOR Collection listed below. These collections contain ONLY foreign patents or nonpatent literature. The parenthetical references in the Collection titles refer to the abolished subclasses from which these Collections were derived.

## FOR 124 NOISE SUPPRESSION (381/94) BINAURAL AND STEREOPHONIC

FOR 125 .Speaker arrangement (381/24)

FOR 126 .. Earphone (381/25)

FOR 127 HEARING AIDS, ELECTRICAL (381/68)

FOR 128 .Directional (381/68.1)

FOR 129 .Frequency control (381/68.2)

FOR 130 .Bone conduction (381/68.3)

FOR 131 .Gain Control (381/68.3)

FOR 132 .Spectacle (381/68.5)

FOR 133 .Ear insert (381/68.6)

FOR 134 .Hook over ear (381/68.7)

FOR 135 .Specified casing or housing (381/69)

FOR 136 .. Having vacuum tube amplifier (381/69.1)

- FOR 137 ... Having battery (381/69.2)
- FOR 138 .Having enclosure or housing (381/138)
- FOR 140 .With acoustic wave modifying structure (381/153)
- FOR 141 .. Including sound conducting tube (381/154)
- FOR 142 ..Directional (381/155)
- FOR 143 ...Sound intensifying or spreading element (381/156)
- FOR 144 ... Mouthpiece (381/157)
- FOR 145 .. Absorbing or attenuating element (e.g., baffle, obstruction, damping) (381/158)
- FOR 146 ..Enclosure or resonant cavity (381/159)
- FOR 147 .Microphone (381/168)
- FOR 148 ..With mounting or support feature (381/169)
- FOR 149 .. Headphone (381/183)
- FOR 150 .Having body supported structure (e.g., earphone) (381/187)
- FOR 151 .With mounting or support feature (381/188)
- FOR 152 .Electromagnetic (e.g., dynamic) (381/192)
- FOR 153 ..Having feature of edgesupported diaphragm (381/193)
- FOR 154 .. Movable voice coil (381/194)
- FOR 155 ...Multiple (e.g., double) (381/ 195)
- FOR 156 ...Pattern (381/196)
- FOR 157 ...Centering (381/197)
- FOR 158 .. Including adjustment mechanism (381/198)
- FOR 159 ..Magnetic circuit or core structure (381/199)
- FOR 160 ... Armature (381/200)
- FOR 161 ...Magnetic configuration (e.g., tubular or U-shaped) (381/201)
- FOR 162 .. Specified diaphragm shape or structure (381/202)
- FOR 163 ...Flat (381/203)
- FOR 164 ... Conical (381/204)
- FOR 165 .Electro-acoustical transducer mounting or support (381/205)